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BUSINESS REPLY CARD

First Class Permit No. 46, Westfield, Mass.

DATA SCALER

P. O. Box 378

Westfield, Mass. - 01085



Gentlemen:

I am interested in a demonstration of:

☐ Data Scaler

☐ Data Viewer

☐ Comb. System

Please send me a sample Data Graph

☐ Data Graph

Please telephone me for a convenient appointment at

Company

Position and Dept.

Address

City State.....

Area Code Tel. #..... Ext.....

Signed

PLEASE PRINT

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DATA SCALER

Bulletin #39

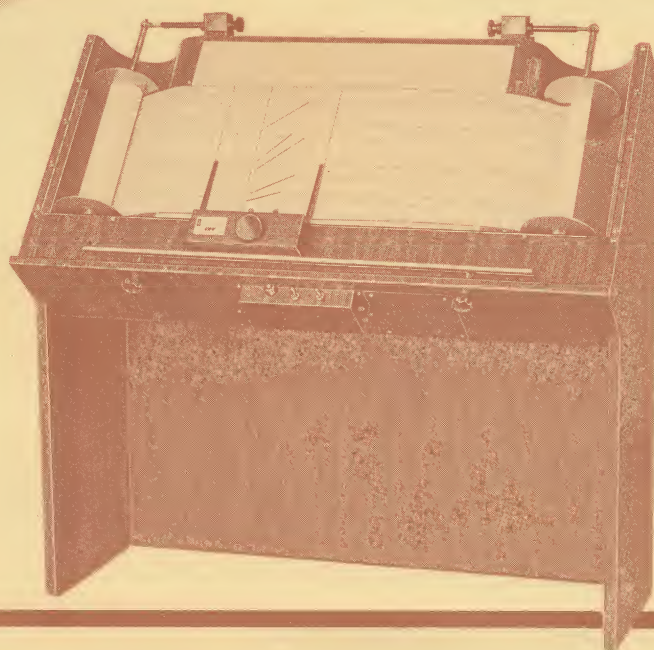
P.O. BOX 378 • WESTFIELD • MASS. 01085

AREA CODE: 413 568-8848

DATA VIEWER Model "500"

Shown with the Data Scaler Model "400"
and Mounting Attachment.

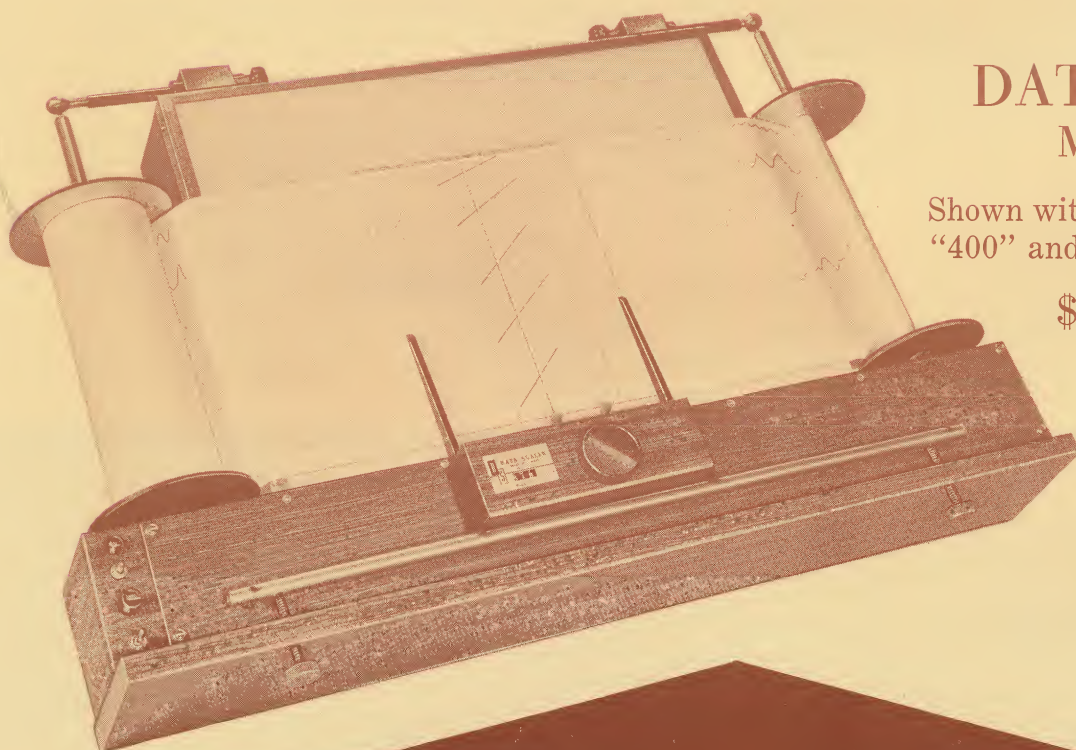
\$1185⁰⁰
Complete



DATA VIEWER Model "300"

Shown with the Data Scaler Model
"400" and Mounting Attachment.

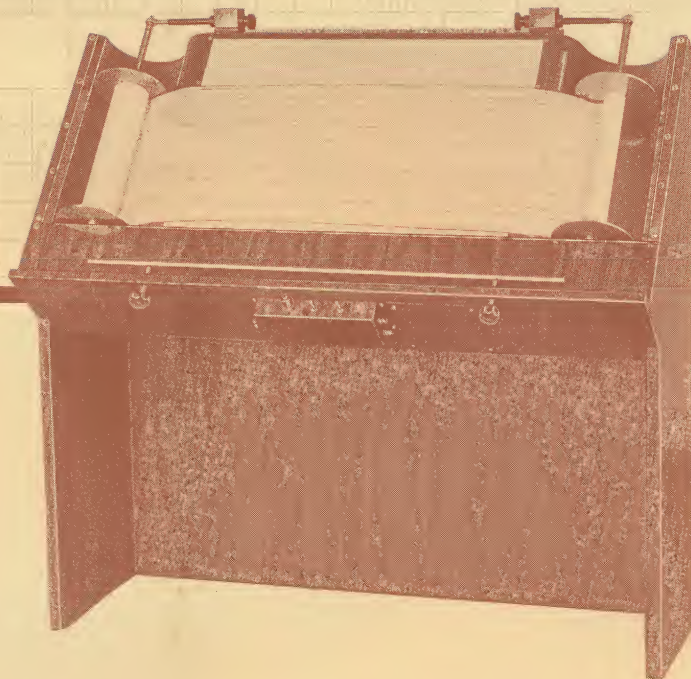
\$985⁰⁰
Complete



*A New
Solution to an Old Problem*

DATA VIEWER

The Data Viewer 500 is a console type motorized paper transport designed to handle all types of strip chart records. Records up to 16" in width can be transported across a backlighted viewing area at variable speeds.



MODEL 500

CONSOLE

The console is constructed of $\frac{3}{4}$ inch plywood, and covered with a walnut Formica finish. It is 4 feet high, 4 feet wide, and approximately 21 inches deep. The backlighted viewing area is 17" x 26 $\frac{1}{2}$ ". The Data Viewer can be operated with or without backlighting. Approximately 32 inches of record is exposed at all times.

SPINDLE ARRANGEMENT

There are one-half inch hex spindles at either end of the viewing area. These spindles are designed to accept any type or width of record up to 16 inches wide, and having a maximum roll diameter of 6 inches. Angular adjustments are provided at the top of each spindle. When properly adjusted, any record can be transported without tearing or damaging the edges. Both spindles are completely removable from the console. The top hub of each spindle is secured by a thumb screw. The hub can be raised or lowered to conform to the width of the record being read.

ELECTRICAL DRIVE SYSTEM

The records to be analyzed on the Data Viewer are transported by means of an electrical drive system. The electrical drive is bi-directional, has instant positive braking, and static tension. The speed at which the record is to be transported is infinitely variable from 0 to over 500 feet per minute.

ADJUSTABLE MOUNTING ATTACHMENT (ACCESSORY)

The adjustable mounting attachment consists of a ground and hardened bar, special screws for raising and lowering the bar, and brackets for attaching the Data Scaler. All Data Viewers are manufactured with provisions to accept the mounting attachment. The mounting attachment can be ordered with the Data Viewer, or at any later date should the customer's requirements change.

GUARANTEE

Warranty

The Data Scaler Company of Westfield, Massachusetts, guarantees each Data Scaler and Data Viewer to be free from any defects of workmanship and material. Should any such defect be discovered within one (1) year from date of purchase, the Data Scaler Company on receipt of unit, postage prepaid, will repair such defect at no charge and return the unit express collect.

This warranty does not cover breakage of any part in shipment or through negligence in use.

PRICE AND DELIVERY INFORMATION

Data Viewer Model 500	\$695.00
Data Scaler Mounting Attachment.....	\$95.00
Complete system includes Data Viewer, Mounting Attachment, and Data Scaler as shown on the cover.....	\$1185.00
F.O.B. Destination (within USA)	
Terms 1% 10 days, net 30	
Delivery 30 days after receipt of order.	

DATA SCALER

The standard Data Scaler Model 400 will handle records up to 12" in width. 16" models are also available at no additional cost but must be specified on the original order.



MODEL 400

GENERAL DESCRIPTION

The Data Scaler is a manual instrument created to meet the requirements of personnel responsible for the evaluation and analysis of all types of strip chart records. The Data Scaler is ideal for quick look work, spot checking, or thorough analysis of an entire record. Slopes can be drawn on a plastic overlay using triangulation so that single or multiple channels of information can be read directly. The problems of origin offsets, scale factors and non-linear calibrations are easily overcome with the Data Scaler. The answers appear in digital form in an easy to read three digit counter. Now it is possible to read your record directly without the use of a calculator to correct for scale factors. The combination of simple technique and precision machined parts guarantee a highly reliable instrument. The Data Scaler will simplify the tedious task of reducing data from strip charts without eye strain. Accuracy is limited only by the operator's ability to interpret the point of interest.

THEORY OF OPERATION

The drive knob is connected to the counter and the overlay holder by means of a precision gear train. As the drive knob is turned in either direc-

tion it will cause the counter to add or subtract and move the overlay holder left or right. The plastic bottom contains a vertical and horizontal hairline reference. The horizontal crosshair is always aligned to the base reference line of the graph. The vertical reference is always positioned over the timing line or the point to be read. A clear plastic overlay is secured by two thumb screws in the overlay holder. Using triangulation, slopes are drawn on the overlay to correspond with the digital range of each channel to be read. When all the necessary slopes have been drawn on the overlay, readings are accomplished by using X motion (left to right or right to left) to find the "Y" values (amplitude). Single or multiple channels can be read directly with each channel having its own zero reference and scale factor. Both rectilinear and curvilinear records can be read and the Data Scaler handles linear and non-linear calibrations with ease. Although the Data Scaler is primarily an amplitude reader there are techniques where time (X axis) can be measured as well. Resolution of up to 1000 counts per inch is easily obtainable with the Data Scaler. All readings for each channel appear in an easy to read three digit counter.

SPECIFICATIONS

Overall Size	9" x 16"
Weight Approx.	2 lbs.
Carrying Case Size	4 x 12 x 18"
Counter-Digital Range	0-999
Digit Size	3/16"

TYPICAL INSTALLATIONS FOR DATA SCALER PRODUCTS

Data Reduction Centers
Environmental Test Labs
Missile Launching Sites
Satellite Tracking Sta.
Medical Instr. Labs
Oceanographic Res. Grps.
Universities
Shipboard Use
Flight Test Grps.
Water Resource Labs

PRICE AND DELIVERY INFORMATION

Data Scaler Model 400 \$395.00

Price includes attache type carrying case; six (6) plastic overlays; special marking pen, and instruction manual.

FOB destination (within U.S.A.)

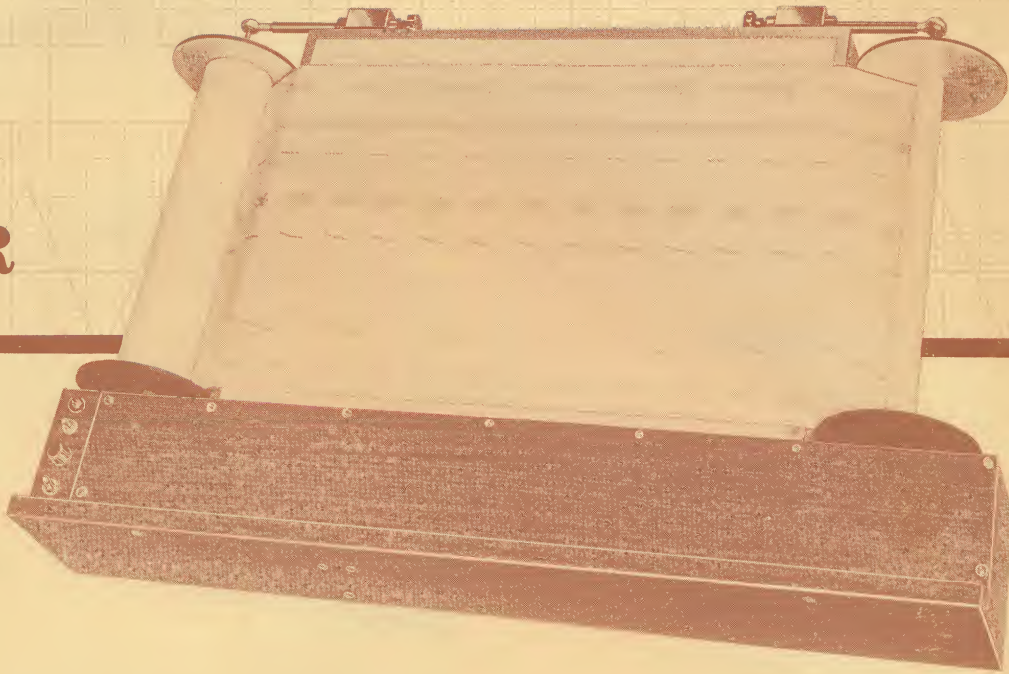
Shipments are made via Parcel Post —

Special handling

Terms: 1% 10 days. Net 30.

Delivery: 30 days after receipt of order.

DATA VIEWER



The Data Viewer 300 is a portable type motorized paper transport designed to handle all types of strip chart records. Records up to 16" in width can be transported across a backlighted viewing area at variable speeds.

MODEL 300

GENERAL DESCRIPTION

The Data Viewer Model 300 is a portable version of the Data Viewer Model 500. It contains the same identical electrical and mechanical features as the Model 500. Where portability and space are the important factor the Data Viewer Model 300 will meet the requirements. Overall dimensions are 38" long, 23" high, and 5" deep. The back-lighted viewing area is 17" x 24". The unit can be operated with or without backlighting.

SPINDLE ARRANGEMENT

There are one-half inch hex spindles at either end of the viewing area. These spindles are designed to accept any type or width of record up to 16 inches wide, and having a maximum roll diameter of 6 inches. Angular adjustments are provided at the top of each spindle. When properly adjusted, any record can be transported without tearing or damaging the edges. Both spindles are completely removable from the console. The top hub of each spindle is secured by a thumb screw. The hub can be raised or lowered to conform to the width of the record being read.

ELECTRICAL DRIVE SYSTEM

The records to be analyzed on the Data Viewer are transported by means of an electrical drive system. The electrical drive is bi-directional, has instant positive braking, and static tension. The speed at which the record is to be transported is infinitely variable from 0 to over 500 feet per minute.

ADJUSTABLE MOUNTING ATTACHMENT (ACCESSORY)

The adjustable mounting attachment consists of a ground and hardened bar, special screws for raising and lowering the bar, and brackets for attaching the Data Scaler. All Data Viewers are manufactured with provisions to accept the mounting attachment. The mounting attachment can be ordered with the Data Viewer, or at any later date should the customer's requirements change.

OTHER PRODUCTS AVAILABLE FROM DATA SCALER

Semi-automatic chart reading systems with punched card, punched paper tape, typewriter and printer output are now available from the Data Scaler Company. Write for additional information.

The Data Scaler Company also invites inquiries for all types of special viewing tables.

Prices subject to change without notice.

PRICE AND DELIVERY INFORMATION

Data Viewer Model 300	\$495.00
Data Scaler Mounting Attachment.....	\$95.00
Complete system includes Data Viewer, Mounting Attachment, and Data Scaler as shown on the cover.....	\$985.00
F.O.B. Destination (within USA)	
Terms 1% 10 days, net 30	
Delivery 30 days after receipt of order.	